

Table K2. - Soil Features

Big Smoky Valley Area, Nevada, Part Of Nye County

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
AR:									
Ardivey	---	---	---	---	0	---	Low	High	Low
Wardenot	---	---	---	---	0	---	Low	High	Low
BA:									
Badland	---	---	---	---	0	---	None	High	High
Belcher	Duripan	5-18	4-17	---	0	---	Low	High	Low
	Bedrock (paralithic)	10-20	---	---					
Belted	Duripan	6-14	4-17	---	0	---	Low	High	Low
BB:									
Badland	Bedrock (paralithic)	1-4	---	---	0	---	None	High	High
Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
BC:									
Basket	---	---	---	---	0	---	Moderate	High	Low
Mina	---	---	---	---	0	---	Low	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
BEB:									
Belcher	Duripan	5-18	4-17	---	0	---	Low	High	Low
	Bedrock (paralithic)	10-20	---	---					
Playas	---	---	---	---	---	---	---	---	---
BHC:									
Belted	Duripan	6-14	4-17	---	0	---	Low	High	Low
BLC:									
Bluewing	---	---	---	---	0	---	Low	High	Low
BMB:									
Bluewing	---	---	---	---	0	---	Low	High	Low
BNC:									
Bluewing	---	---	---	---	0	---	Low	High	Low
BOB:									
Bluewing	---	---	---	---	0	---	Low	High	Low
BPB:									
Broe	---	---	---	---	0	---	Low	High	Low
BrA:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
BrA: Broyles	---	---	---	---	0	---	Low	High	Moderate
BrB: Broyles	---	---	---	---	0	---	Low	High	Moderate
Bt: Broyles	---	---	---	---	0	---	Low	High	Moderate
Laxal	---	---	---	---	0	---	Low	High	Moderate
Cf: Caudle	---	---	---	---	0	---	Moderate	High	Low
Cg: Caudle	---	---	---	---	0	---	Moderate	High	Low
Ch: Charnock	---	---	---	---	0	---	High	High	High
Playas	---	---	---	---	---	---	---	---	---
Ck: Charnock	---	---	---	---	0	---	High	High	High

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Ck: Playas	---	---	---	---	---	---	---	---	---
Cm: Charnock	---	---	---	---	0	---	High	High	High
Charnock	---	---	---	---	0	---	High	High	High
Playas	---	---	---	---	---	---	---	---	---
DEC: Deerlodge Variant	Duripan	21-32	4-17	---	0	---	Low	High	Low
DN: Dobel	Duripan	6-13	---	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
Do: Domez	---	---	---	---	0	---	Low	High	Low
Dr: Domez	---	---	---	---	0	---	Low	High	Low
Ds:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Ds:									
Domez	---	---	---	---	0	---	Low	High	Low
Playas	---	---	---	---	0	---	None	High	High
DU:									
Duneland	---	---	---	---	0	---	None	Low	Low
Fa:									
Fivemile	---	---	---	---	0	---	Low	High	Low
Fb:									
Fivemile	---	---	---	---	0	---	Low	High	High
Fivemile	---	---	---	---	0	---	Low	High	High
GA:									
Gabbs	Duripan	20-30	4-17	---	0	---	Low	High	Low
Old Camp	Bedrock (lithic)	4-14	---	---	0	---	Moderate	Moderate	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
Gr:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Gr: Griffy	---	---	---	---	0	---	Low	High	Low
Gs: Griffy	---	---	---	---	0	---	Low	High	Low
JO: Jolan	Duripan	20-30	4-17	---	0	---	Moderate	High	Low
KoA: Koyen	---	---	---	---	0	---	Low	High	Low
KrB: Koyen	---	---	---	---	0	---	Low	High	Low
KsA: Koyen	---	---	---	---	0	---	Low	High	Low
KT: Kyler	Bedrock (lithic)	6-14	---	---	0	---	Moderate	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
La: Lahontan	---	---	---	---	0	---	Moderate	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Lb: Lahontan	---	---	---	---	0	---	Moderate	High	High
Playas	---	---	---	---	---	---	---	---	---
LCB: Lathrop	---	---	---	---	0	---	Low	High	Low
LF: Lathrop	---	---	---	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
LmA: Laxal	---	---	---	---	0	---	Low	High	Moderate
LnA: Laxal	---	---	---	---	0	---	Low	High	Low
LS: Laxal	---	---	---	---	0	---	Low	High	Moderate
Rock Outcrop	---	---	---	---	---	---	---	---	---

LTC:

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
LTC:									
Lyda	Duripan	8-14	4-17	---	0	---	Low	High	Low
MA:									
Maggie	Duripan	10-18	4-17	---	0	---	Low	High	Low
	Bedrock (lithic)	20-36	---	---					
Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
MB:									
Malpais	---	---	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
McA:									
Mazuma	---	---	---	---	0	---	Low	High	High
McA3:									
Mazuma	---	---	---	---	0	---	Low	High	High
MdA:									
Mazuma	---	---	---	---	0	---	Low	High	Low
MeB:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
MeB:									
Mazuma	---	---	---	---	0	---	Low	High	High
Mf:									
Mazuma	---	---	---	---	0	---	Low	High	High
Mazuma	---	---	---	---	0	---	Low	High	High
Playas	---	---	---	---	---	---	---	---	---
MG:									
Mine Dumps	---	---	---	---	---	---	---	---	---
MO:									
Monte Cristo	Duripan	10-20	---	---	0	---	Low	High	Low
Playas	---	---	---	---	0	---	None	High	High
No:									
Noyson	Duripan	20-36	4-17	---	0	---	Low	High	Low
Np:									
Noyson	Duripan	20-36	4-17	---	0	---	Low	High	Low
Ny:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Ny:									
Nyserva	---	---	---	---	0	---	Low	High	High
Tipperary	---	---	---	---	0	---	Low	High	Low
OA:									
Old Camp	Bedrock (lithic)	4-14	---	---	0	---	Moderate	Moderate	Low
Mina	---	---	---	---	0	---	Low	High	Low
OB:									
Old Camp	Bedrock (lithic)	4-14	---	---	0	---	Moderate	Moderate	Low
Osobb	Duripan	8-20	0-3	---	0	---	Low	High	Low
	Bedrock (lithic)	9-30	---	---					
OC:									
Old Camp	Bedrock (lithic)	4-14	---	---	0	---	Moderate	Moderate	Low
Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
OD:									
Old Camp	Bedrock (lithic)	4-14	---	---	0	---	Moderate	Moderate	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
OD: Rock Outcrop	---	---	---	---	---	---	---	---	---
Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Oe: Orizaba	---	---	---	---	0	---	Moderate	High	High
Of: Orizaba	---	---	---	---	0	---	High	High	High
Og: Orizaba	---	---	---	---	0	---	High	High	High
Oh: Orizaba	---	---	---	---	0	---	High	High	High
OnA: Orovada	---	---	---	---	0	---	Moderate	High	Low
OpB: Orovada	---	---	---	---	0	---	Moderate	High	Low
OR: Orphant	Duripan	14-20	---	---	0	---	Low	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
OS:									
Orphant	Duripan	14-20	---	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
OT:									
Osobb	Duripan	8-20	0-3	---	0	---	Low	High	Low
	Bedrock (lithic)	9-30	---	---					
Gabbs	Duripan	20-30	4-17	---	0	---	Low	High	Low
PA:									
Parran	---	---	---	---	0	---	Moderate	High	High
PD:									
Penelas Variant	Duripan	12-20	4-17	---	0	---	Moderate	High	Low
	Bedrock (lithic)	13-22	---	---					
Penelas	Bedrock (paralithic)	5-14	---	---	0	---	Moderate	High	Low
PE:									
Penelas	Bedrock (paralithic)	5-14	---	---	0	---	Moderate	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
PE: Kyler	Bedrock (lithic)	6-14	---	---	0	---	Moderate	High	Low
PF: Penelas	Bedrock (paralithic)	5-14	---	---	0	---	Moderate	High	Low
Laxal	---	---	---	---	0	---	Low	High	Moderate
PG: Penelas	Bedrock (paralithic)	5-14	---	---	0	---	Moderate	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
PH: Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
PK: Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
PM:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
PM:									
Pintwater	Bedrock (lithic)	10-20	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
PN:									
Playas	---	---	---	---	0	---	None	High	High
PO:									
Playas	---	---	---	---	0	---	None	High	High
Parran	---	---	---	---	0	---	Moderate	High	High
PR:									
Pumel	Bedrock (paralithic)	4-14	---	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---
QrA:									
Quima	---	---	---	---	0	---	Moderate	High	Low
QsB:									
Quima	---	---	---	---	0	---	Moderate	High	Low
RO:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
RO:									
Roic	Bedrock (paralithic)	4-14	---	---	0	---	Low	High	High
Dobel	Duripan	6-13	4-17	---	0	---	Low	High	Low
Sb:									
Settlemeier	---	---	---	---	0	---	Moderate	High	Low
Se:									
Settlemeier	---	---	---	---	0	---	High	High	Low
Haplaquolls	---	---	---	---	---	---	---	---	---
SF:									
Settlemeier	---	---	---	---	0	---	High	High	Low
Yobe	---	---	---	---	0	---	High	High	High
Playas	---	---	---	---	---	---	---	---	---
SH:									
Silverbow	Duripan	8-14	4-17	---	0	---	Low	High	Low
Rock Outcrop	---	---	---	---	---	---	---	---	---

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
SK: Slickens	---	---	---	---	0	---	None	High	High
SP: Spanel	Duripan	10-20	4-17	---	0	---	Low	High	Low
Sr: Stargo	---	---	---	---	0	---	Low	High	Low
Ss: Stargo	---	---	---	---	0	---	Low	High	Low
Playas	---	---	---	---	---	---	---	---	---
STC: Stumble	---	---	---	---	0	---	Low	High	Low
SuA: Stumble	---	---	---	---	0	---	Low	High	Low
Sw: Sundown	---	---	---	---	0	---	Low	High	Low
TC: Timblin	Duripan	22-40	---	---	0	---	Low	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
TC: Mccann	---	---	---	---	0	---	High	High	Low
TdA: Timper	Duripan	10-20	---	---	0	---	Low	High	Low
TEB: Timper	Duripan	10-20	---	---	0	---	Low	High	Low
TF: Timper	Duripan	10-20	---	---	0	---	Low	High	Low
Playas	---	---	---	---	0	---	None	High	High
TGE: Tipperary	---	---	---	---	0	---	Low	High	Low
TH: Tipperary	---	---	---	---	0	---	Low	High	Low
Fivemile	---	---	---	---	0	---	Low	High	Low
Playas	---	---	---	---	---	---	---	---	---

TM:

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
TM:									
Tipperary	---	---	---	---	0	---	Low	High	Low
Playas	---	---	---	---	0	---	None	High	High
TN:									
Tomel	Duripan	10-20	4-17	---	0	---	Low	High	Low
Laxal	---	---	---	---	0	---	Low	High	Moderate
TOB:									
Tybo	Duripan	8-20	4-17	---	0	---	Low	High	Low
TR:									
Tybo	Duripan	8-20	4-17	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
TS:									
Tybo	Duripan	8-20	4-17	---	0	---	Low	High	Low
Stumble	---	---	---	---	0	---	Low	High	Low
UM:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
UM: Umberland	---	---	---	---	0	---	High	High	High
UN: Parran	---	---	---	---	0	---	Moderate	High	High
Umberland	---	---	---	---	0	---	High	High	High
Playas	---	---	---	---	---	---	---	---	---
UR: Umberland	---	---	---	---	0	---	High	High	High
Playas	---	---	---	---	0	---	None	High	High
Tipperary	---	---	---	---	0	---	Low	High	Low
UT: Unsel	---	---	---	---	0	---	Low	High	Low
Bluewing	---	---	---	---	0	---	Low	High	Low
VGC: Vigus	---	---	---	---	0	---	Low	High	Low

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
VK:									
Vigus	---	---	---	---	0	---	Low	High	Low
Koyen	---	---	---	---	0	---	Low	High	Low
VM:									
Vinini	Duripan	10-20	4-17	---	0	---	Moderate	High	Moderate
	Bedrock (lithic)	20-40	---	---					
Mina	---	---	---	---	0	---	Low	High	Low
VN:									
Vinini	Duripan	10-20	4-17	---	0	---	Moderate	High	Moderate
	Bedrock (lithic)	20-40	---	---					
Nevoyer	Duripan	8-18	4-17	---	0	---	Low	High	Low
	Bedrock (lithic)	9-20	---	---					
WA:									
Wardenot	---	---	---	---	0	---	Low	High	Low
WBB:									

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
WBB:									
Wrango	---	---	---	---	0	---	Low	High	Low
WDC:									
Wrango	---	---	---	---	0	---	Low	High	Low
YB:									
Yobe	---	---	---	---	0	---	High	High	High
Haplaquolls	---	---	---	---	---	---	---	---	---
Playas	---	---	---	---	---	---	---	---	---
YC:									
Yobe	---	---	---	---	0	---	High	High	High
Tipperary	---	---	---	---	0	---	Low	High	Low
YD:									
Yobe	---	---	---	---	0	---	High	High	High
Umbertland	---	---	---	---	0	---	High	High	High
Haplaquolls	---	---	---	---	---	---	---	---	---

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
Ym: Yomba	---	---	---	---	0	---	Low	High	Low
Yn: Yomba	---	---	---	---	0	---	Low	High	Low
YO: Yomba	---	---	---	---	0	---	Low	High	Low
Playas	---	---	---	---	0	---	None	High	High
Yp: Youngston	---	---	---	---	0	---	Low	High	Moderate
Playas	---	---	---	---	---	---	---	---	---
Yr: Youngston	---	---	---	---	0	---	Low	High	Moderate
Ys: Youngston	---	---	---	---	0	---	Low	High	Moderate
Playas	---	---	---	---	---	---	---	---	---

ZN:

Table K2. - Soil Features - Continued

Big Smoky Valley Area, Nevada, Part Of Nye County

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
ZN: Zaba	---	---	---	---	0	---	Low	High	Low
Nyserva	---	---	---	---	0	---	Low	High	High